

## **ABSTRACT**

A satellite phone repeater comprises a plurality of antennas and a plurality of amplifiers coupled to the antennas. At least one of the antennas is configured to communicate with a plurality of handsets. Through the repeater, the handsets simultaneously can communicate with a satellite. The repeater may include phase shifters to ameliorate multipath interference. The repeater may also include an electronically controlled switch that couples each of two receiver/transmitters to a single antenna configured to communicate with the satellite.